

Al- MA 'MOON University College
14th Ramadan St. Baghdad Iraq
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كلية المأمون الجامعة
العراق / بغداد / شارع ١٤ رمضان
هاتف: ٠٧٨١٠٣٩٤٤٤١

	<ul style="list-style-type: none">• الاسم : كرار سعد فرج• اللقب العلمي: مدرس مساعد• البريد الإلكتروني: karrar.s.faraj@almamonuc.edu.iq• موبايل: ٠٧٧١٧٣٨٧٦٢٤• الجنسية: عراقي• مكان العمل: وزارة التعليم العالي والبحث العلمي
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ماجستير هندسة كهربائية	• التعليم /المؤهلات الدراسية
تدريسي في كلية المأمون الجامعة	• الخبرة
البحوث:- 1. K. S. Faraj, and J. F. Hussein, “Analysis and comparison of DC-DC boost converter and interleaved DC-DC boost converter”. Engineering and Technology Journal, 2020,38(5A), 622-635. 2. K. S. Faraj, and J. F. Hussein, “High Voltage Gain Three Coupled Winding DC-DC Interleaved Boost Converter with Arduino Microcontroller for the PV Panel Control” .In IOP Conference Series: Materials Science and Engineering	• البحوث/الكتب



(Vol. 745, No. 1, p. 012021). IOP Publishing, 2020.

3. Faraj, K. S., & Abdulmohsin, A. S. (2022). "Design and Mathematical Analysis of a Single-Phase PV Residential Micro-Inverter". Journal of Al-Ma'moon College, (37).

4. Faraj, K. S., & Abdulmohsin, A. S. (2023). "Design and Analysis of AC/AC Buck-Boost Converter based on Power Electronic Transformer for Power Quality Improvement". Journal of Al-Ma'moon College, 1(39).

الكتب:-

1. Karrar S. Faraj "High Step-Up Interleaved Boost Converter Based on Photovoltaic System Application" ISBN 978-620-2-51626-6, LAP LAMBERT Academic Publishing, 2020.

2. Karrar S. Faraj "Design and Implementation Non-Isolated Step-Up Converter" ISBN 978-620-5-48776-1, LAP LAMBERT Academic Publishing, 2022.

3. Karrar S. Faraj "Circuit Breakers for Low Voltage Substation Distribution System" ISBN 978-620-6-14278-2, LAP LAMBERT Academic Publishing, 2023.

4. Karrar S. Faraj "A Novel Technique for Neutral Voltage Application" ISBN 978-620-6-17933-7, LAP LAMBERT Academic Publishing, 2023.

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هاتف: ٠٧٨١٠٣٩٤٤٤١

- Name: Karrar Saad Faraj
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- Nationality: Iraqi
- Place of work: Ministry of Higher Education and Scientific Research



Google Scholar	https://scholar.google.com/citations?hl=ar&user=gOKVIJ0AAAAJ&view_op=list_works&authuser=2&gmla=AJSN-turioi_jditu6SNY7IO5wOxcKc7OggCJLJzrTOlvcJvWeOZjT_dv0A-x9KaE-9Egj46pS2QG3sOggPVNMMN_AMaqmpIrxl7Rl_py7iBE5_LrqlEg05mV	روابط المواقع العالمية
Research Gate	https://www.researchgate.net/profile/Karrar-S-Faraj-2	
ORCID	https://orcid.org/0000-0002-3656-2705	
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57216258387	
Publons	https://publons.com/researcher/4727702/karrar-s-faraj/	
اللغة العربية والإنكليزية والفارسية		اللغات



<ul style="list-style-type: none"> • Educational Qualifications 	<p align="center">M.Sc Electrical Power Engineering</p>
<ul style="list-style-type: none"> • Experiences 	<p align="center">University Teacher</p>
<ul style="list-style-type: none"> • Research/books 	<p>Research:-</p> <ol style="list-style-type: none"> 1. K. S. Faraj, and J. F. Hussein, “Analysis and comparison of DC-DC boost converter and interleaved DC-DC boost converter”. <i>Engineering and Technology Journal</i>, 2020,38(5A), 622-635. 2. K. S. Faraj, and J. F. Hussein, “High Voltage Gain Three Coupled Winding DC-DC Interleaved Boost Converter with Arduino Microcontroller for the PV Panel Control” .In <i>IOP Conference Series: Materials Science and Engineering</i> (Vol. 745, No. 1, p. 012021). IOP Publishing, 2020. 3. Faraj, K. S., & Abdulmohsin, A. S. (2022). “Design and Mathematical Analysis of a Single-Phase PV Residential Micro-Inverter”. <i>Journal of Al-Ma'moon College</i>, (37). 4. Faraj, K. S., & Abdulmohsin, A. S. (2023). “Design and Analysis of AC/AC Buck-Boost Converter based on Power Electronic Transformer for Power Quality Improvement”. <i>Journal of Al-Ma'moon College</i>, 1(39). <p>Books:-</p> <ol style="list-style-type: none"> 1. Karrar S. Faraj “High Step-Up Interleaved Boost Converter Based on Photovoltaic System Application” ISBN 978-620-2-51626-6, LAP LAMBERT Academic Publishing, 2020. 2. Karrar S. Faraj “Design and Implementation Non-Isolated Step-Up Converter” ISBN 978-620-5-48776-1, LAP LAMBERT

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	<p>Academic Publishing, 2022.</p> <p>3. Karrar S. Faraj “Circuit Breakers for Low Voltage Substation Distribution System” ISBN 978-620-6-14278-2, LAP LAMBERT Academic Publishing, 2023.</p> <p>4. Karrar S. Faraj “A Novel Technique for Neutral Voltage Application” ISBN 978-620-6-17933-7, LAP LAMBERT Academic Publishing, 2023.</p>		
<ul style="list-style-type: none"> International research websites 	<p>Google Scholar</p>	<p>https://scholar.google.com/citations?hl=ar&user=gOKVIJ0AAAAAJ&view_op=list_works&authuser=2&gmla=AJsN-foi_jditu6SNY7IQ5wOxcKc7QgqCJLJzrTOlvcJyWe0ZjT_dv:0A-x9KaE-p9Egj46pS2QG3sOggPVNMN_AMaqmpIrxl7RI_pyljBE5_Lr_qHEq05mV</p>	
	<p>Research Gate</p>	<p>https://www.researchgate.net/profile/Karrar-S-Faraj-2</p>	
	<p>ORCID</p>	<p>https://orcid.org/0000-0002-3656-2705</p>	
	<p>Scopus</p>	<p>https://www.scopus.com/home.uri</p>	
	<p>Publons</p>	<p>https://publons.com/researcher/4727702/karrar-s-faraj/</p>	
<ul style="list-style-type: none"> Languages 	<p>Arabic, English and Persian</p>		